TABLE 1-8

Primary mechanism of support for full-time graduate students in science, engineering, and health: 1975–2020
(Number and percent)

	Year	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types Self-support		of support Other	
1975   219,648   37,163   16.9   39,964   18.2   47,156   21.5   ns   ns   79,860   36.4   15,505   1976   223,412   36,200   16.2   42,555   19.0   48,142   21.5   ns   ns   ns   74,428   33.3   22,705   1979   22,678   37,676   20,214   8.7   48,976   21.1   51,779   22.3   17,965   7.8   73,849   31.4   153,110   1979   231,760   20,214   8.7   48,976   21.1   51,779   22.3   17,965   7.8   73,849   31.9   19,977   1980   238,416   20,515   8.6   51,566   21.6   53,889   22.6   17,545   7.4   75,457   31.6   19,444   1981   242,049   20,995   8.5   52,580   21.5   53,485   23.8   14,637   6.9   76,522   31.6   20,205   1982   22,4477   22,358   23,558   23.5   53,34   23.8   14,637   6.9   76,522   31.6   20,205   1984   253,922   21,624   8.5   54,040   21.8   60,071   23.8   13,512   5.4   81,233   32.2   20,955   1984   253,922   21,624   8.5   54,040   21.8   60,071   23.8   13,512   5.4   81,233   32.2   20,955   1986   257,287   22,540   8.8   60,995   23.7   61,256   24.1   13,465   5.3   77,630   30.2   20,655   1986   266,168   22,954   8.6   60,010   24.8   62,552   23.5   13,526   5.1   78,880   29.6   22,466   1988   27,5127   22,353   8.1   74,588   27,1   63,053   22.9   14,937   5.2   79,160   28.8   21,576   1990   22,782   22,544   8.6   60,746   27.6   64,950   22.2   14,996   5.2   79,780   29.4   22,166   1988   275,127   22,353   8.1   74,588   27,1   63,053   22.9   14,539   5.2   79,160   28.8   21,576   1990   22,782   23,548   8.6   80,746   27.5   65,214   21.2   15,403   5.0   91,583   29.9   22,400   1991   307,010   26,695   8.7   80,757   27.7   65,214   21.2   15,403   5.0   91,583   29.9   22,400   1991   30,7010   26,695   8.7   80,903   27.3   65,702   20.4   15,361   4.8   10,267   32.2   21,474   1994   32,255   28,288   28,897   8.8   80,904   27.6   65,702   20.4   15,361   4.8   10,267   32.2   21,474   1995   32,483   32,285   32,703   32,483   32,285   32,703   32,483   32,363   32,363   33,303   32,283   32,373   32,383   32,373   32,383   32,373   32,383   32,373														Percent
1976   223,412   36,200	1975	219.648	37.163		39.964		47.156				79.860			7.1
1977														9.9
1978														10.0
1979														68.6
1980														8.2
1981														8.2
1982														8.3
1988														8.4
1984														8.3
1985							-							8.1
1986         266,168         22,954         8.6         66,010         24.8         62,552         23.5         13,526         5.1         78,880         29.6         22,246           1987         271,056         21,953         8.1         70,214         25.9         62,847         23.2         14,096         5.2         79,780         29.4         22,166           1988         275,127         22,353         8.1         70,445         22.6         14,397         5.2         79,160         28.8         21,576           1990         292,762         25,254         8.6         80,746         27.6         64,950         22.2         15,908         5.2         84,384         28.8         22,2940           1991         307,010         26,695         8.7         8.9         88,030         27.3         65,702         20.4         15,361         4.8         101,299         31.4         23,536           1993         329,684         29,132         8.8         89,014         27.3         65,976         20.0         15,641         4.7         107,075         32.2         21,628           1994         329,283         28,862         8.8         87,694         26.7 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8.0</td></t<>														8.0
1988   271,056   21,953   8.1   70,214   25,9   62,847   23,2   14,096   5.2   79,780   29,4   22,166   1988   275,127   22,353   8.1   70,214   25,0   64,296   22,7   14,397   5.2   79,780   28.8   21,576   21,092   22,2450   22,3450   8.3   79,045   28.0   64,296   22,7   14,524   5.1   80,251   28.4   21,092   1990   292,782   25,254   8.6   80,746   27.6   64,950   22.2   15,198   5.2   84,384   28.8   22,250   1991   307,010   26,695   8.7   85,175   27.7   65,214   21.2   15,403   5.0   91,583   29.8   22,940   1992   322,555   28,627   8.9   88,030   27.3   65,702   20.4   15,361   4.8   101,299   31.4   23,358   1993   329,644   29,132   8.8   90,154   27.3   67,290   20.4   15,461   4.7   107,035   32.2   21,628   1995   329,283   28,87   8.8   89,946   27.3   65,702   20.4   15,461   4.7   107,035   32.2   21,628   1995   329,283   28,862   8.8   88,001   26.7   65,756   20.0   15,481   4.7   107,035   32.2   21,628   1996   328,536   28,862   8.8   88,001   26.9   65,756   20.0   15,481   4.7   109,475   33.3   21,688   1997   327,289   29,106   8.9   88,007   26.9   65,756   20.0   14,488   4.4   108,741   33.2   21,678   1999   334,423   30,112   90.9   10,279   27.3   66,6423   19.5   14,711   4.4   109,416   32.7   22,615   2000   341,283   31,330   9.2   94,323   27.6   66,423   19.5   14,711   4.4   109,416   32.7   22,615   2000   341,283   31,330   9.2   94,323   27.6   66,423   19.5   14,711   4.4   109,416   32.7   22,615   2001   354,522   32,700   91,279   27.3   66,6423   19.5   14,711   4.4   109,416   32.7   22,615   2002   378,991   34,849   9.2   108,185   28.5   70,732   18.5   14,701   4.4   109,416   32.7   22,615   2002   378,991   34,849   9.2   108,185   28.5   70,732   18.5   14,701   4.4   109,416   32.7   22,615   2002   378,991   34,849   9.2   108,185   28.5   70,732   18.5   14,701   4.4   10,416   32.7   22,615   2002   378,991   34,849   9.2   108,185   28.5   70,732   18.5   13,701   3.1   15,029   3.5   3.7   3.7   3.7   3.7   3.7   3.7   3.7   3.7   3.7   3.7   3.7				8.6										8.4
1988         275,127         22,353         8.1         74,588         27.1         63,053         22.9         14,397         5.2         79,160         28.8         21,576           1989         282,648         23,450         8.3         79,045         28.0         64,296         22.7         14,524         5.1         80,251         28.4         21,026           1991         307,010         26,695         8.7         85,175         27.7         65,702         20.4         15,461         5.0         91,883         29.8         22,940           1992         322,555         28,627         8.9         88,030         27.3         65,702         20.4         15,461         4.8         101,299         31.4         23,536           1993         329,681         28,892         8.7         92,008         27.7         66,844         20.1         15,681         4.7         107,073         32.2         21,628           1995         329,283         28,862         8.8         87,694         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,688           1997         327,289         29,566         8.8         88,001														8.2
1989         282,648         23,450         8.3         79,045         28.0         64,296         22.7         14,524         5.1         80,251         28.4         21,082           1990         292,782         25,254         8.6         80,746         27.7         65,214         21.2         15,198         5.2         84,384         28.8         22,290           1992         322,555         28,627         8.9         88,030         27.3         65,702         20.4         15,361         4.8         101,299         31.4         23,536           1993         329,644         29,132         8.8         90,154         27.3         65,702         20.4         15,465         4.7         106,276         32.2         21,347           1994         332,838         28,887         8.8         89,946         27.3         65,976         20.0         15,481         4.7         106,273         32.2         21,684           1995         329,283         28,862         8.8         88,091         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,689           1996         327,389         29,106         8.9         88,097							63,053							7.8
1990   292,782   25,254   8.6   80,746   27.6   64,950   22.2   15,198   5.2   84,384   28.8   22,250   1991   307,010   26,695   8.7   85,175   27.7   65,214   21.2   15,403   5.0   91,583   29.8   22,940   1992   322,555   28,627   8.9   88,030   27.3   65,702   20.4   15,461   4.8   101,299   31.4   23,536   1993   329,644   29,132   8.8   90,154   27.3   67,290   20.4   15,461   4.7   106,276   32.2   21,347   1994   332,088   28,892   8.7   92,008   27.7   66,844   20.1   15,681   4.7   107,035   32.2   21,628   1995   329,283   28,887   8.8   89,946   27.3   65,756   20.0   15,481   4.7   109,475   33.3   21,268   1996   325,365   28,862   8.8   86,001   26.9   65,425   20.0   14,488   4.4   108,741   33.2   21,678   1998   327,389   29,106   8.9   88,007   26.9   65,425   20.0   14,488   4.4   108,741   33.2   21,678   1999   334,423   30,112   9.0   91,279   27.3   66,294   19.8   14,707   4.4   109,416   32.7   22,615   2000   341,283   31,330   9.2   94,323   27.6   66,243   19.5   14,171   4.2   11,2432   32.9   23,272   2002   378,991   34,849   9.2   108,185   28.5   70,732   18.7   15,006   4.0   126,654   33.4   23,555   203   397,420   34,460   8.7   114,758   28.5   73,009   18.1   14,971   3.5   14,606   33.9   23,278   2005   406,620   36,414   9.0   114,304   28.1   74,238   18.3   14,570   3.6   139,403   34.3   27,691   2005   406,620   36,414   9.0   114,304   28.1   74,238   18.3   14,570   3.5   146,606   35.0   30,464   2007olub   430,860   38,340   8.8   116,774   27.4   75,911   18.1   14,571   3.5   146,606   35.0   30,464   2007olub   430,860   38,340   8.8   116,774   27.4   75,911   18.1   14,571   3.5   146,606   35.0   30,464   2007olub   430,860   38,340   8.8   116,474   26.6   81,828   17.9   12,830   2.8   169,956   37.3   31,781   2007olub   430,860   38,340   3.8   116,377   24.8   88,889   18.5   13,317   3.0   156,658   36.8   30,555   2009   456,115   38,931   8.5   121,443   26.6   81,828   17.9   12,830   2.8   169,956   37.3   31,127   2010   461,185   39,899   8.				8.3		28.0								7.5
1991         307,010         26,695         8.7         85,175         27.7         65,214         21.2         15,403         5.0         91,583         29.8         22,936           1992         322,555         28,627         8.9         88,030         27.3         65,702         20.4         15,361         4.8         101,299         31.4         22,366           1993         329,644         29,132         8.8         90,154         27.7         66,844         20.1         15,681         4.7         106,676         32.2         21,347           1994         332,088         28,862         8.8         89,946         27.3         65,976         20.0         15,943         4.8         106,687         32.4         21,848           1995         329,283         28,862         8.8         88,001         26.6         65,755         20.0         15,841         4.7         109,475         33.3         21,268           1997         327,289         29,956         8.8         88,007         26.9         65,173         19.9         14,946         4.6         108,224         33.1         21,843           1998         324,223         30,112         9.0         91,279				8.6		27.6						28.8		7.6
1992         322,555         28,627         8.9         88,030         27.3         65,702         20.4         15,361         4.8         101,299         31.4         23,336           1993         329,644         29,132         8.8         90,154         27.3         67,290         20.4         15,445         4.7         106,276         32.2         21,347           1994         332,088         28,882         8.8         89,946         27.3         65,976         20.0         15,681         4.7         107,035         32.2         21,628           1996         328,536         28,862         8.8         88,094         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,668           1997         327,289         28,956         8.8         88,001         26.9         65,425         20.0         14,488         4.4         108,741         33.2         21,678           1998         334,423         30,112         9.0         91,279         27.3         66,294         19.8         14,707         4.4         109,416         32.7         22,615           2001         354,522         32,270         9.1         99,923	1991		26,695	8.7		27.7		21.2		5.0	91,583	29.8		7.5
1993         329,644         29,132         8.8         90,154         27.3         67,290         20.4         15,445         4.7         106,276         32.2         21,347           1994         332,088         28,892         8.7         92,008         27.7         66,844         20.1         15,681         4.7         107,035         32.2         21,628           1995         329,283         28,887         8.8         89,946         27.3         65,976         20.0         15,943         4.8         106,687         32.4         21,848           1996         328,536         28,862         8.8         87,694         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,268           1997         327,289         29,106         8.9         88,097         26.9         65,173         19.9         14,946         4.6         108,224         33.1         21,848           1998         324,423         30,112         9.0         91,279         27.3         66,294         19.8         14,707         4.4         109,416         32.7         22,616           2001         34,423         31,330         9.2         284,268	1992		28,627	8.9		27.3		20.4		4.8	101,299	31.4		7.3
1995         329,283         28,887         8.8         89,946         27.3         65,976         20.0         15,943         4.8         106,687         32.4         21,844           1996         328,366         28,862         8.8         87,694         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,268           1997         327,289         28,956         8.8         88,001         26.9         65,425         20.0         14,488         4.4         108,741         33.2         21,678           1998         327,389         29,106         8.9         98,097         26.9         65,173         11.9         14,946         4.6         108,224         33.1         22,615           2000         341,283         31,330         9.2         94,323         27.6         66,423         19.5         14,171         4.2         112,432         32.9         22,604           2001         354,522         32,270         9.1         99,923         28.2         68,267         19.3         14,154         4.0         116,636         32.9         23,272           2003         374,20         34,460         8.7         114,756	1993		29,132	8.8		27.3		20.4		4.7		32.2		6.5
1996         328,536         28,862         8.8         87,694         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,268           1997         327,289         28,956         8.8         88,001         26.9         65,425         20.0         14,488         4.4         108,741         33.2         21,678           1998         327,389         29,106         8.9         88,097         26.9         65,173         19.9         14,946         4.6         108,224         33.1         21,648           1999         334,423         30,112         9.0         91,279         27.3         66,294         19.8         14,777         4.4         109,416         32.7         22,604           2001         354,522         32,270         9.1         99,923         28.2         68,267         19.3         14,174         4.0         116,636         32.9         23,272           2002         378,991         34,460         8.7         114,256         28.7         73,105         18.4         15,126         3.8         134,730         33.9         25,743           2003         397,420         34,460         8.7         114,768	1994	332,088	28,892	8.7	92,008	27.7	66,844	20.1	15,681	4.7	107,035	32.2	21,628	6.5
1996         328,536         28,862         8.8         87,694         26.7         65,756         20.0         15,481         4.7         109,475         33.3         21,268           1997         327,289         28,956         8.8         88,001         26.9         65,425         20.0         14,488         4.4         108,741         33.2         21,678           1998         327,389         29,106         8.9         88,097         26.9         65,173         19.9         14,946         4.6         108,224         33.1         21,643           1999         334,423         30,112         9.0         91,279         27.3         66,294         19.8         14,777         4.4         109,416         32.7         22,604           2001         354,522         32,270         9.1         99,923         28.2         68,267         19.3         14,154         4.0         116,636         32.9         23,272           2002         378,991         34,849         9.2         108,185         28.5         70,732         18.7         15,006         4.0         126,654         33.4         23,565           2003         397,420         34,460         8.7         114,768	1995	329,283	28,887	8.8	89,946	27.3	65,976	20.0	15,943	4.8	106,687	32.4	21,844	6.6
1998         327,389         29,106         8.9         88,097         26.9         65,173         19.9         14,946         4.6         108,224         33.1         21,843           1999         334,423         30,112         9.0         91,279         27.3         66,294         19.8         14,707         4.4         109,416         32.7         22,615           2000         341,283         31,330         9.2         94,323         27.6         66,423         19.5         14,171         4.2         112,432         32.9         22,604           2001         354,522         32,270         9.1         99,923         28.2         68,67         19.3         14,154         4.0         116,636         32.9         23,272           2002         378,991         34,849         9.2         108,185         28.5         70,732         18.7         15,006         4.0         126,654         33.4         23,565           2003         397,420         34,460         8.7         114,256         28.7         73,009         18.1         14,903         3.7         137,078         34.1         27,781           2005         406,620         36,414         9.0         114,304	1996	328,536	28,862	8.8	87,694	26.7	65,756	20.0	15,481	4.7	109,475	33.3	21,268	6.5
1999         334,423         30,112         9.0         91,279         27.3         66,294         19.8         14,707         4.4         109,416         32.7         22,615           2000         341,283         31,330         9.2         94,323         27.6         66,423         19.5         14,171         4.2         112,432         32.9         22,604           2001         354,522         32,270         9.1         99,923         28.2         68,267         19.3         14,154         4.0         116,656         32.9         23,772           2002         378,991         34,849         9.2         108,185         28.7         73,105         18.4         15,106         4.0         126,654         33.4         23,565           2003         397,420         34,460         8.7         114,756         28.7         73,105         18.4         15,106         4.0         126,654         33.4         23,565           2004         402,573         35,034         8.7         114,768         28.5         73,009         18.1         14,903         3.7         137,078         34.1         27,781           2005         406,620         36,414         9.0         114,304	1997	327,289	28,956	8.8	88,001	26.9	65,425	20.0	14,488	4.4	108,741	33.2	21,678	6.6
2000         341,283         31,330         9.2         94,323         27.6         66,423         19.5         14,171         4.2         112,432         32.9         22,604           2001         354,522         32,270         9.1         99,923         28.2         68,267         19.3         14,154         4.0         116,636         32.9         23,272           2002         378,991         34,849         9.2         108,185         28.5         70,732         18.7         15,006         4.0         126,654         33.4         23,565           2003         397,420         34,460         8.7         114,768         28.5         73,009         18.1         14,903         3.7         137,078         34.1         27,781           2005         406,620         36,414         9.0         114,304         28.1         74,238         18.3         14,570         3.6         139,403         34.3         27,691           2007 lob         490,613         38,840         8.9         115,192         26.7         77,817         18.1         14,571         3.5         146,606         35.0         30,464           2007 newb         437,365         38,631         8.8         116,	1998	327,389	29,106	8.9	88,097	26.9	65,173	19.9	14,946	4.6	108,224	33.1	21,843	6.7
2001         354,522         32,270         9.1         99,923         28.2         68,267         19.3         14,154         4.0         116,636         32.9         23,272           2002         378,991         34,849         9.2         108,185         28.5         70,732         18.7         15,006         4.0         126,654         33.4         23,565           2003         397,420         34,460         8.7         114,256         28.7         73,105         18.4         15,126         3.8         134,730         33.9         25,743           2004         402,573         35,034         8.7         114,768         28.5         73,009         18.1         14,903         3.7         137,078         34.1         27,781           2005         406,620         36,414         9.0         114,304         28.1         74,238         18.3         14,570         3.6         139,403         34.3         27,691           2006         419,015         36,689         8.8         114,774         27.4         75,911         18.1         14,571         3.5         146,606         35.0         30,464           2007aleb         437,365         38,631         8.8         116,043<	1999	334,423	30,112	9.0	91,279	27.3	66,294	19.8	14,707	4.4	109,416	32.7	22,615	6.8
2002         378,991         34,849         9.2         108,185         28.5         70,732         18.7         15,006         4.0         126,654         33.4         23,565           2003         397,420         34,460         8.7         114,256         28.7         73,105         18.4         15,126         3.8         134,730         33.9         25,743           2004         402,573         35,034         8.7         114,768         28.5         73,009         18.1         14,903         3.7         137,078         34.1         27,781           2005         406,620         36,414         9.0         114,304         28.1         74,238         18.3         14,570         3.6         139,403         34.3         27,691           2006         419,015         36,689         8.8         114,774         27.4         75,911         18.1         14,571         3.5         146,606         35.0         30,464           2007new <sup>b</sup> 430,860         38,340         8.9         115,192         26.7         77,817         18.1         13,437         3.1         154,293         35.8         31,781           2007new <sup>b</sup> 437,365         38,631         8.8 <td< td=""><td>2000</td><td>341,283</td><td>31,330</td><td>9.2</td><td>94,323</td><td>27.6</td><td>66,423</td><td>19.5</td><td>14,171</td><td>4.2</td><td>112,432</td><td>32.9</td><td>22,604</td><td>6.6</td></td<>	2000	341,283	31,330	9.2	94,323	27.6	66,423	19.5	14,171	4.2	112,432	32.9	22,604	6.6
2003         397,420         34,460         8.7         114,256         28.7         73,105         18.4         15,126         3.8         134,730         33.9         25,743           2004         402,573         35,034         8.7         114,768         28.5         73,009         18.1         14,903         3.7         137,078         34.1         27,781           2005         406,620         36,414         9.0         114,304         28.1         74,238         18.3         14,570         3.6         139,403         34.3         27,691           2006         419,015         36,689         8.8         114,774         27.4         75,911         18.1         14,571         3.5         146,606         35.0         30,464           2007oldb         430,860         38,340         8.9         115,192         26.7         77,817         18.1         13,437         3.1         157,029         35.9         32,217           2008         449,613         38,599         8.6         118,349         26.3         83,135         18.5         13,317         3.0         165,658         36.8         30,555           2019         456,115         38,931         8.5         121,443	2001	354,522	32,270	9.1	99,923	28.2	68,267	19.3	14,154	4.0	116,636	32.9	23,272	6.6
2004       402,573       35,034       8.7       114,768       28.5       73,009       18.1       14,903       3.7       137,078       34.1       27,781         2005       406,620       36,414       9.0       114,304       28.1       74,238       18.3       14,570       3.6       139,403       34.3       27,691         2006       419,015       36,689       8.8       114,774       27.4       75,911       18.1       14,571       3.5       146,606       35.0       30,464         2007oldb       430,860       38,340       8.9       115,192       26.7       77,817       18.1       13,437       3.1       157,029       35.9       32,217         2007newb       437,365       38,631       8.8       116,043       26.5       79,948       18.3       13,497       3.1       157,029       35.9       32,217         2008       449,613       38,599       8.6       118,349       26.3       83,135       18.5       13,317       3.0       165,658       36.8       30,555         2019       456,115       38,931       8.5       121,443       26.6       81,828       17.9       12,2830       2.8       169,956       37.3	2002	378,991	34,849	9.2	108,185	28.5	70,732	18.7	15,006	4.0	126,654	33.4	23,565	6.2
2005       406,620       36,414       9.0       114,304       28.1       74,238       18.3       14,570       3.6       139,403       34.3       27,691         2006       419,015       36,689       8.8       114,774       27.4       75,911       18.1       14,571       3.5       146,606       35.0       30,464         2007oldb       430,860       38,340       8.9       115,192       26.7       77,817       18.1       13,437       3.1       154,293       35.8       31,781         2007newb       437,365       38,631       8.8       116,043       26.5       79,948       18.3       13,497       3.1       157,029       35.9       32,217         2008       449,613       38,599       8.6       118,349       26.3       83,135       18.5       13,317       3.0       165,658       36.8       30,555         2009       456,115       38,931       8.5       121,443       26.6       81,828       17.9       12,830       2.8       169,956       37.3       31,127         2010       461,185       39,899       8.7       123,698       26.8       84,173       18.4       12,629       2.8       165,807       36.3	2003	397,420	34,460	8.7	114,256	28.7	73,105	18.4	15,126	3.8	134,730	33.9	25,743	6.5
2006         419,015         36,689         8.8         114,774         27.4         75,911         18.1         14,571         3.5         146,606         35.0         30,464           2007oldb         430,860         38,340         8.9         115,192         26.7         77,817         18.1         13,437         3.1         154,293         35.8         31,781           2007newb         437,365         38,631         8.8         116,043         26.5         79,948         18.3         13,497         3.1         157,029         35.9         32,217           2008         449,613         38,599         8.6         118,349         26.3         83,135         18.5         13,317         3.0         165,658         36.8         30,555           2009         456,115         38,931         8.5         121,443         26.6         81,828         17.9         12,830         2.8         169,956         37.3         31,127           2010         461,185         39,899         8.7         123,698         26.8         83,252         18.1         12,476         2.7         170,564         37.0         31,296           2011         457,292         41,297         9.0         122		402,573	35,034	8.7	114,768	28.5	73,009	18.1	14,903	3.7	137,078	34.1	27,781	6.9
2007oldb       430,860       38,340       8.9       115,192       26.7       77,817       18.1       13,437       3.1       154,293       35.8       31,781         2007newb       437,365       38,631       8.8       116,043       26.5       79,948       18.3       13,497       3.1       157,029       35.9       32,217         2008       449,613       38,599       8.6       118,349       26.3       83,135       18.5       13,317       3.0       165,658       36.8       30,555         2009       456,115       38,931       8.5       121,443       26.6       81,828       17.9       12,830       2.8       169,956       37.3       31,127         2010       461,185       39,899       8.7       123,698       26.8       83,252       18.1       12,476       2.7       170,564       37.0       31,296         2011       457,292       41,297       9.0       122,480       26.8       84,173       18.4       12,629       2.8       165,807       36.3       30,906         2012       459,498       42,005       9.1       119,347       26.0       86,295       18.8       11,646       2.5       166,900       36.3	2005	406,620	36,414	9.0		28.1	74,238	18.3	14,570		139,403	34.3	27,691	6.8
2007newb         437,365         38,631         8.8         116,043         26.5         79,948         18.3         13,497         3.1         157,029         35.9         32,217           2008         449,613         38,599         8.6         118,349         26.3         83,135         18.5         13,317         3.0         165,658         36.8         30,555           2009         456,115         38,931         8.5         121,443         26.6         81,828         17.9         12,830         2.8         169,956         37.3         31,127           2010         461,185         39,899         8.7         123,698         26.8         83,252         18.1         12,476         2.7         170,564         37.0         31,296           2011         457,292         41,297         9.0         122,480         26.8         84,173         18.4         12,629         2.8         165,807         36.3         30,906           2012         459,498         42,005         9.1         119,347         26.0         86,295         18.8         11,646         2.5         166,900         36.3         33,153           2014oldc         484,880         42,804         8.8         115														7.3
2008       449,613       38,599       8.6       118,349       26.3       83,135       18.5       13,317       3.0       165,658       36.8       30,555         2009       456,115       38,931       8.5       121,443       26.6       81,828       17.9       12,830       2.8       169,956       37.3       31,127         2010       461,185       39,899       8.7       123,698       26.8       83,252       18.1       12,476       2.7       170,564       37.0       31,296         2011       457,292       41,297       9.0       122,480       26.8       84,173       18.4       12,629       2.8       165,807       36.3       30,906         2012       459,498       42,005       9.1       119,347       26.0       86,295       18.8       11,646       2.5       166,900       36.3       33,305         2013       468,953       43,432       9.3       116,377       24.8       88,689       18.9       10,514       2.2       176,788       37.7       33,153         2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4	2007old <sup>b</sup>	430,860	38,340	8.9	115,192	26.7	77,817	18.1	13,437	3.1	154,293	35.8	31,781	7.4
2009       456,115       38,931       8.5       121,443       26.6       81,828       17.9       12,830       2.8       169,956       37.3       31,127         2010       461,185       39,899       8.7       123,698       26.8       83,252       18.1       12,476       2.7       170,564       37.0       31,296         2011       457,292       41,297       9.0       122,480       26.8       84,173       18.4       12,629       2.8       165,807       36.3       30,906         2012       459,498       42,005       9.1       119,347       26.0       86,295       18.8       11,646       2.5       166,900       36.3       33,305         2013       468,953       43,432       9.3       116,377       24.8       88,689       18.9       10,514       2.2       176,788       37.7       33,153         2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4       33,883         2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0 </td <td>2007new<sup>b</sup></td> <td>437,365</td> <td>38,631</td> <td>8.8</td> <td>116,043</td> <td>26.5</td> <td>79,948</td> <td>18.3</td> <td>13,497</td> <td>3.1</td> <td>157,029</td> <td>35.9</td> <td>32,217</td> <td>7.4</td>	2007new <sup>b</sup>	437,365	38,631	8.8	116,043	26.5	79,948	18.3	13,497	3.1	157,029	35.9	32,217	7.4
2010       461,185       39,899       8.7       123,698       26.8       83,252       18.1       12,476       2.7       170,564       37.0       31,296         2011       457,292       41,297       9.0       122,480       26.8       84,173       18.4       12,629       2.8       165,807       36.3       30,906         2012       459,498       42,005       9.1       119,347       26.0       86,295       18.8       11,646       2.5       166,900       36.3       33,305         2013       468,953       43,432       9.3       116,377       24.8       88,689       18.9       10,514       2.2       176,788       37.7       33,153         2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4       33,883         2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0       34,501         2015       506,262       43,460       8.6       116,425       23.0       92,513       18.3       11,175       2.2       205,678       40.6 </td <td>2008</td> <td>449,613</td> <td>38,599</td> <td>8.6</td> <td>118,349</td> <td>26.3</td> <td>83,135</td> <td>18.5</td> <td>13,317</td> <td>3.0</td> <td>165,658</td> <td>36.8</td> <td>30,555</td> <td>6.8</td>	2008	449,613	38,599	8.6	118,349	26.3	83,135	18.5	13,317	3.0	165,658	36.8	30,555	6.8
2011       457,292       41,297       9.0       122,480       26.8       84,173       18.4       12,629       2.8       165,807       36.3       30,906         2012       459,498       42,005       9.1       119,347       26.0       86,295       18.8       11,646       2.5       166,900       36.3       33,305         2013       468,953       43,432       9.3       116,377       24.8       88,689       18.9       10,514       2.2       176,788       37.7       33,153         2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4       33,883         2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0       34,501         2015       506,262       43,460       8.6       116,425       23.0       92,513       18.3       11,175       2.2       205,678       40.6       37,011         2016       508,773       42,584       8.4       116,222       22.8       91,545       18.0       11,833       2.3       208,182       40.9 </td <td>2009</td> <td>456,115</td> <td>38,931</td> <td>8.5</td> <td>121,443</td> <td>26.6</td> <td>81,828</td> <td>17.9</td> <td>12,830</td> <td>2.8</td> <td>169,956</td> <td>37.3</td> <td>31,127</td> <td>6.8</td>	2009	456,115	38,931	8.5	121,443	26.6	81,828	17.9	12,830	2.8	169,956	37.3	31,127	6.8
2012       459,498       42,005       9.1       119,347       26.0       86,295       18.8       11,646       2.5       166,900       36.3       33,305         2013       468,953       43,432       9.3       116,377       24.8       88,689       18.9       10,514       2.2       176,788       37.7       33,153         2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4       33,883         2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0       34,501         2015       506,262       43,460       8.6       116,425       23.0       92,513       18.3       11,175       2.2       205,678       40.6       37,011         2016       508,773       42,584       8.4       116,222       22.8       91,545       18.0       11,833       2.3       208,182       40.9       38,407         2017old <sup>d</sup> 498,619       42,120       8.4       110,408       22.1       91,615       18.4       12,380       2.5       200,850	2010	461,185	39,899	8.7	123,698	26.8	83,252	18.1	12,476	2.7	170,564	37.0	31,296	6.8
2013       468,953       43,432       9.3       116,377       24.8       88,689       18.9       10,514       2.2       176,788       37.7       33,153         2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4       33,883         2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0       34,501         2015       506,262       43,460       8.6       116,425       23.0       92,513       18.3       11,175       2.2       205,678       40.6       37,011         2016       508,773       42,584       8.4       116,222       22.8       91,545       18.0       11,833       2.3       208,182       40.9       38,407         2017old <sup>d</sup> 498,619       42,120       8.4       110,408       22.1       91,615       18.4       12,380       2.5       200,850       40.3       41,246	2011	457,292	41,297	9.0	122,480	26.8	84,173	18.4	12,629	2.8	165,807	36.3	30,906	6.8
2014old <sup>c</sup> 484,880       42,804       8.8       115,274       23.8       90,564       18.7       11,207       2.3       191,148       39.4       33,883         2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0       34,501         2015       506,262       43,460       8.6       116,425       23.0       92,513       18.3       11,175       2.2       205,678       40.6       37,011         2016       508,773       42,584       8.4       116,222       22.8       91,545       18.0       11,833       2.3       208,182       40.9       38,407         2017old <sup>d</sup> 498,619       42,120       8.4       110,408       22.1       91,615       18.4       12,380       2.5       200,850       40.3       41,246	2012	459,498	42,005	9.1	119,347	26.0	86,295	18.8	11,646	2.5	166,900	36.3	33,305	7.2
2014new <sup>c</sup> 492,170       43,084       8.8       115,700       23.5       90,947       18.5       11,251       2.3       196,687       40.0       34,501         2015       506,262       43,460       8.6       116,425       23.0       92,513       18.3       11,175       2.2       205,678       40.6       37,011         2016       508,773       42,584       8.4       116,222       22.8       91,545       18.0       11,833       2.3       208,182       40.9       38,407         2017old <sup>d</sup> 498,619       42,120       8.4       110,408       22.1       91,615       18.4       12,380       2.5       200,850       40.3       41,246	2013	468,953	43,432	9.3	116,377	24.8	88,689	18.9	10,514	2.2	176,788	37.7	33,153	7.1
2015     506,262     43,460     8.6     116,425     23.0     92,513     18.3     11,175     2.2     205,678     40.6     37,011       2016     508,773     42,584     8.4     116,222     22.8     91,545     18.0     11,833     2.3     208,182     40.9     38,407       2017old <sup>d</sup> 498,619     42,120     8.4     110,408     22.1     91,615     18.4     12,380     2.5     200,850     40.3     41,246	2014old <sup>c</sup>	484,880	42,804	8.8	115,274	23.8	90,564	18.7	11,207	2.3	191,148	39.4	33,883	7.0
2015     506,262     43,460     8.6     116,425     23.0     92,513     18.3     11,175     2.2     205,678     40.6     37,011       2016     508,773     42,584     8.4     116,222     22.8     91,545     18.0     11,833     2.3     208,182     40.9     38,407       2017old <sup>d</sup> 498,619     42,120     8.4     110,408     22.1     91,615     18.4     12,380     2.5     200,850     40.3     41,246	2014new <sup>c</sup>	492,170	43,084	8.8	115,700	23.5	90,947	18.5	11,251	2.3	196,687	40.0	34,501	7.0
2016     508,773     42,584     8.4     116,222     22.8     91,545     18.0     11,833     2.3     208,182     40.9     38,407       2017old <sup>d</sup> 498,619     42,120     8.4     110,408     22.1     91,615     18.4     12,380     2.5     200,850     40.3     41,246														7.3
2017old <sup>d</sup> 498,619 42,120 8.4 110,408 22.1 91,615 18.4 12,380 2.5 200,850 40.3 41,246														7.5
														8.3
201/11CW 135/33 41/400 0.0 100/000 22.0 00/020 10.4 12/247 2.0 170/070 05.7 05/402														8.2
2018 491,449 41,779 8.5 111,469 22.7 87,682 17.8 12,896 2.6 196,114 39.9 41,509														8.4

TABLE 1-8

Primary mechanism of support for full-time graduate students in science, engineering, and health: 1975–2020

(Number and percent)

		Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
										Self-support		Other	
Year	Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2019	502,442	45,834	9.1	115,320	23.0	88,144	17.5	12,282	2.4	199,077	39.6	41,785	8.3
2020	491,515	43,462	8.8	115,101	23.4	85,292	17.4	12,019	2.4	192,671	39.2	42,970	8.7
Master's students													
2017new <sup>d</sup>	245,010	6,535	2.7	21,681	8.8	24,193	9.9	1,992	0.8	165,485	67.5	25,124	10.3
2018	248,552	6,880	2.8	20,147	8.1	22,636	9.1	2,253	0.9	171,930	69.2	24,706	9.9
2019	254,532	7,717	3.0	20,406	8.0	23,284	9.1	2,185	0.9	176,457	69.3	24,483	9.6
2020	243,859	6,112	2.5	19,274	7.9	21,699	8.9	2,268	0.9	169,099	69.3	25,407	10.4
Doctoral students													
2017new <sup>d</sup>	235,778	34,873	14.8	86,952	36.9	64,130	27.2	10,257	4.4	25,208	10.7	14,358	6.1
2018	242,897	34,899	14.4	91,322	37.6	65,046	26.8	10,643	4.4	24,184	10.0	16,803	6.9
2019	247,910	38,117	15.4	94,914	38.3	64,860	26.2	10,097	4.1	22,620	9.1	17,302	7.0
2020	247,656	37,350	15.1	95,827	38.7	63,593	25.7	9,751	3.9	23,572	9.5	17,563	7.1

na = not applicable.

## Note(s):

Percentages may not add to total because of rounding. Master's and doctoral students were not reported separately until 2017.

## Source(s)

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.

<sup>&</sup>lt;sup>a</sup> Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

<sup>&</sup>lt;sup>b</sup> In 2007, eligible fields were reclassified, newly eligible fields were added, and the survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. See appendix A in https://www.nsf.gov/statistics/nsf10307/ for more detail.

<sup>&</sup>lt;sup>c</sup> In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed academic institutions in the United States with master's- or doctorate-granting programs in science, engineering, or health. A total of 151 newly eligible institutions were added, and two private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible. For more information, see https://www.nsf.gov/statistics/2016/nsf16314.

<sup>&</sup>lt;sup>d</sup> As part of 2017 Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) redesign, the GSS taxonomy was changed to align with the National Center for Science and Engineering Statistics (NCSES) Taxonomy of Disciplines (TOD), thus increasing comparability with other NCSES surveys. As a result, some eligible fields were reclassified and a small number of fields became fully or partially ineligible. Comparisons to prior years should use the 2017old estimates and should be limited to broad areas of study—detailed field comparisons are not recommended.